



## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 Band5\_ERP

#### 1.1.1 Test Result

Band: 5									
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
	Network	Subset				Result	Limit		
NTNV	RMC	12.2kbps RMC	826.4	24.75	0.58	23.18	<=38.45	Pass	
			836.6	24.88	0.58	23.31	<=38.45	Pass	
			846.6	24.86	0.58	23.29	<=38.45	Pass	
	HSDPA	Subtest 1	826.4	22.15	0.58	20.58	<=38.45	Pass	
		Subtest 2	826.4	22.16	0.58	20.59	<=38.45	Pass	
		Subtest 3	826.4	22.17	0.58	20.60	<=38.45	Pass	
		Subtest 4	826.4	22.16	0.58	20.59	<=38.45	Pass	
		Subtest 1	836.6	22.44	0.58	20.87	<=38.45	Pass	
		Subtest 2	836.6	22.44	0.58	20.87	<=38.45	Pass	
		Subtest 3	836.6	22.43	0.58	20.86	<=38.45	Pass	
		Subtest 4	836.6	22.43	0.58	20.86	<=38.45	Pass	
		Subtest 1	846.6	22.42	0.58	20.85	<=38.45	Pass	
		Subtest 2	846.6	22.44	0.58	20.87	<=38.45	Pass	
		Subtest 3	846.6	22.43	0.58	20.86	<=38.45	Pass	
		Subtest 4	846.6	22.43	0.58	20.86	<=38.45	Pass	
		HSUPA	Subtest 1	826.4	19.89	0.58	18.32	<=38.45	Pass
			Subtest 2	826.4	20.14	0.58	18.57	<=38.45	Pass
			Subtest 3	826.4	19.89	0.58	18.32	<=38.45	Pass
			Subtest 4	826.4	20.13	0.58	18.56	<=38.45	Pass
	Subtest 5		826.4	19.89	0.58	18.32	<=38.45	Pass	
	Subtest 1		836.6	20.04	0.58	18.47	<=38.45	Pass	
	Subtest 2		836.6	20.58	0.58	19.01	<=38.45	Pass	
	Subtest 3		836.6	20.33	0.58	18.76	<=38.45	Pass	
	Subtest 4		836.6	20.40	0.58	18.83	<=38.45	Pass	
	Subtest 5		836.6	20.37	0.58	18.80	<=38.45	Pass	
	Subtest 1		846.6	20.56	0.58	18.99	<=38.45	Pass	
	Subtest 2	846.6	20.55	0.58	18.98	<=38.45	Pass		
	Subtest 3	846.6	20.31	0.58	18.74	<=38.45	Pass		
	Subtest 4	846.6	20.55	0.58	18.98	<=38.45	Pass		
	Subtest 5	846.6	20.54	0.58	18.97	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 Band5

#### 2.1.1 Test Result

Band: 5							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	3.27	-8.054	-0.0097	-2.5 to 2.5	Pass

			3.85	-9.613	-0.0116	-2.5 to 2.5	Pass		
			4.43	-12.310	-0.0149	-2.5 to 2.5	Pass		
		-30	3.85	-14.491	-0.0175	-2.5 to 2.5	Pass		
		-20	3.85	-8.612	-0.0104	-2.5 to 2.5	Pass		
		-10	3.85	-9.971	-0.0121	-2.5 to 2.5	Pass		
		0	3.85	-12.453	-0.0151	-2.5 to 2.5	Pass		
		10	3.85	-14.105	-0.0171	-2.5 to 2.5	Pass		
		30	3.85	-16.472	-0.0199	-2.5 to 2.5	Pass		
		40	3.85	-8.225	-0.0100	-2.5 to 2.5	Pass		
		50	3.85	-10.536	-0.0127	-2.5 to 2.5	Pass		
	836.6	20		3.27	-14.091	-0.0168	-2.5 to 2.5	Pass	
				3.85	-6.852	-0.0082	-2.5 to 2.5	Pass	
				4.43	-9.270	-0.0111	-2.5 to 2.5	Pass	
		-30	3.85	-13.175	-0.0157	-2.5 to 2.5	Pass		
		-20	3.85	-8.748	-0.0105	-2.5 to 2.5	Pass		
		-10	3.85	-11.644	-0.0139	-2.5 to 2.5	Pass		
		0	3.85	-15.271	-0.0183	-2.5 to 2.5	Pass		
		10	3.85	-8.905	-0.0106	-2.5 to 2.5	Pass		
		30	3.85	-13.447	-0.0161	-2.5 to 2.5	Pass		
		40	3.85	-7.625	-0.0091	-2.5 to 2.5	Pass		
	50	3.85	-12.732	-0.0152	-2.5 to 2.5	Pass			
	846.6	20		3.27	-8.419	-0.0099	-2.5 to 2.5	Pass	
				3.85	-13.440	-0.0159	-2.5 to 2.5	Pass	
				4.43	-10.750	-0.0127	-2.5 to 2.5	Pass	
		-30	3.85	-11.387	-0.0135	-2.5 to 2.5	Pass		
		-20	3.85	-10.815	-0.0128	-2.5 to 2.5	Pass		
		-10	3.85	-8.819	-0.0104	-2.5 to 2.5	Pass		
		0	3.85	-9.363	-0.0111	-2.5 to 2.5	Pass		
		10	3.85	-6.859	-0.0081	-2.5 to 2.5	Pass		
		30	3.85	-11.845	-0.0140	-2.5 to 2.5	Pass		
		40	3.85	-7.088	-0.0084	-2.5 to 2.5	Pass		
	50	3.85	-11.494	-0.0136	-2.5 to 2.5	Pass			
	HSDPA	826.4	20		3.27	-13.912	-0.0168	-2.5 to 2.5	Pass
					3.85	-7.410	-0.0090	-2.5 to 2.5	Pass
					4.43	-10.350	-0.0125	-2.5 to 2.5	Pass
-30			3.85	-13.304	-0.0161	-2.5 to 2.5	Pass		
-20			3.85	-14.355	-0.0174	-2.5 to 2.5	Pass		
-10			3.85	-9.856	-0.0119	-2.5 to 2.5	Pass		
0			3.85	-11.415	-0.0138	-2.5 to 2.5	Pass		
10			3.85	-14.892	-0.0180	-2.5 to 2.5	Pass		
30			3.85	-16.572	-0.0201	-2.5 to 2.5	Pass		
40			3.85	-16.358	-0.0198	-2.5 to 2.5	Pass		
50		3.85	-16.472	-0.0199	-2.5 to 2.5	Pass			
836.6		20		3.27	-10.135	-0.0121	-2.5 to 2.5	Pass	
				3.85	-10.850	-0.0130	-2.5 to 2.5	Pass	
				4.43	-11.315	-0.0135	-2.5 to 2.5	Pass	
		-30	3.85	-11.330	-0.0135	-2.5 to 2.5	Pass		
		-20	3.85	-10.643	-0.0127	-2.5 to 2.5	Pass		
		-10	3.85	-9.291	-0.0111	-2.5 to 2.5	Pass		
		0	3.85	-9.720	-0.0116	-2.5 to 2.5	Pass		
		10	3.85	-11.237	-0.0134	-2.5 to 2.5	Pass		
		30	3.85	-10.006	-0.0120	-2.5 to 2.5	Pass		
		40	3.85	-9.005	-0.0108	-2.5 to 2.5	Pass		
50		3.85	-7.217	-0.0086	-2.5 to 2.5	Pass			
846.6		20		3.27	-8.483	-0.0100	-2.5 to 2.5	Pass	
				3.85	-10.915	-0.0129	-2.5 to 2.5	Pass	



			4.43	-10.450	-0.0123	-2.5 to 2.5	Pass
		-30	3.85	-10.428	-0.0123	-2.5 to 2.5	Pass
		-20	3.85	-9.556	-0.0113	-2.5 to 2.5	Pass
		-10	3.85	-8.719	-0.0103	-2.5 to 2.5	Pass
		0	3.85	-16.065	-0.0190	-2.5 to 2.5	Pass
		10	3.85	-15.600	-0.0184	-2.5 to 2.5	Pass
		30	3.85	-7.832	-0.0093	-2.5 to 2.5	Pass
		40	3.85	-9.484	-0.0112	-2.5 to 2.5	Pass
HSUPA	826.4	50	3.85	-10.686	-0.0126	-2.5 to 2.5	Pass
		20	3.27	-8.383	-0.0101	-2.5 to 2.5	Pass
			3.85	-7.453	-0.0090	-2.5 to 2.5	Pass
			4.43	-9.127	-0.0110	-2.5 to 2.5	Pass
		-30	3.85	-12.653	-0.0153	-2.5 to 2.5	Pass
		-20	3.85	-3.726	-0.0045	-2.5 to 2.5	Pass
		-10	3.85	-2.439	-0.0030	-2.5 to 2.5	Pass
		0	3.85	-4.249	-0.0051	-2.5 to 2.5	Pass
		10	3.85	-3.176	-0.0038	-2.5 to 2.5	Pass
		30	3.85	-4.535	-0.0055	-2.5 to 2.5	Pass
	40	3.85	-3.004	-0.0036	-2.5 to 2.5	Pass	
	50	3.85	-4.907	-0.0059	-2.5 to 2.5	Pass	
	836.6	20	3.27	-11.508	-0.0138	-2.5 to 2.5	Pass
			3.85	-6.065	-0.0072	-2.5 to 2.5	Pass
			4.43	-8.719	-0.0104	-2.5 to 2.5	Pass
		-30	3.85	-8.740	-0.0104	-2.5 to 2.5	Pass
		-20	3.85	-10.421	-0.0125	-2.5 to 2.5	Pass
		-10	3.85	-10.135	-0.0121	-2.5 to 2.5	Pass
		0	3.85	-10.064	-0.0120	-2.5 to 2.5	Pass
		10	3.85	-10.486	-0.0125	-2.5 to 2.5	Pass
		30	3.85	-10.500	-0.0126	-2.5 to 2.5	Pass
		40	3.85	-11.737	-0.0140	-2.5 to 2.5	Pass
	50	3.85	-11.394	-0.0136	-2.5 to 2.5	Pass	
	846.6	20	3.27	-3.884	-0.0046	-2.5 to 2.5	Pass
			3.85	-3.526	-0.0042	-2.5 to 2.5	Pass
			4.43	-2.804	-0.0033	-2.5 to 2.5	Pass
		-30	3.85	-4.985	-0.0059	-2.5 to 2.5	Pass
		-20	3.85	-5.693	-0.0067	-2.5 to 2.5	Pass
		-10	3.85	-7.753	-0.0092	-2.5 to 2.5	Pass
		0	3.85	-10.357	-0.0122	-2.5 to 2.5	Pass
10		3.85	-8.669	-0.0102	-2.5 to 2.5	Pass	
30		3.85	-8.276	-0.0098	-2.5 to 2.5	Pass	
40		3.85	-9.942	-0.0117	-2.5 to 2.5	Pass	
50	3.85	-1.466	-0.0017	-2.5 to 2.5	Pass		

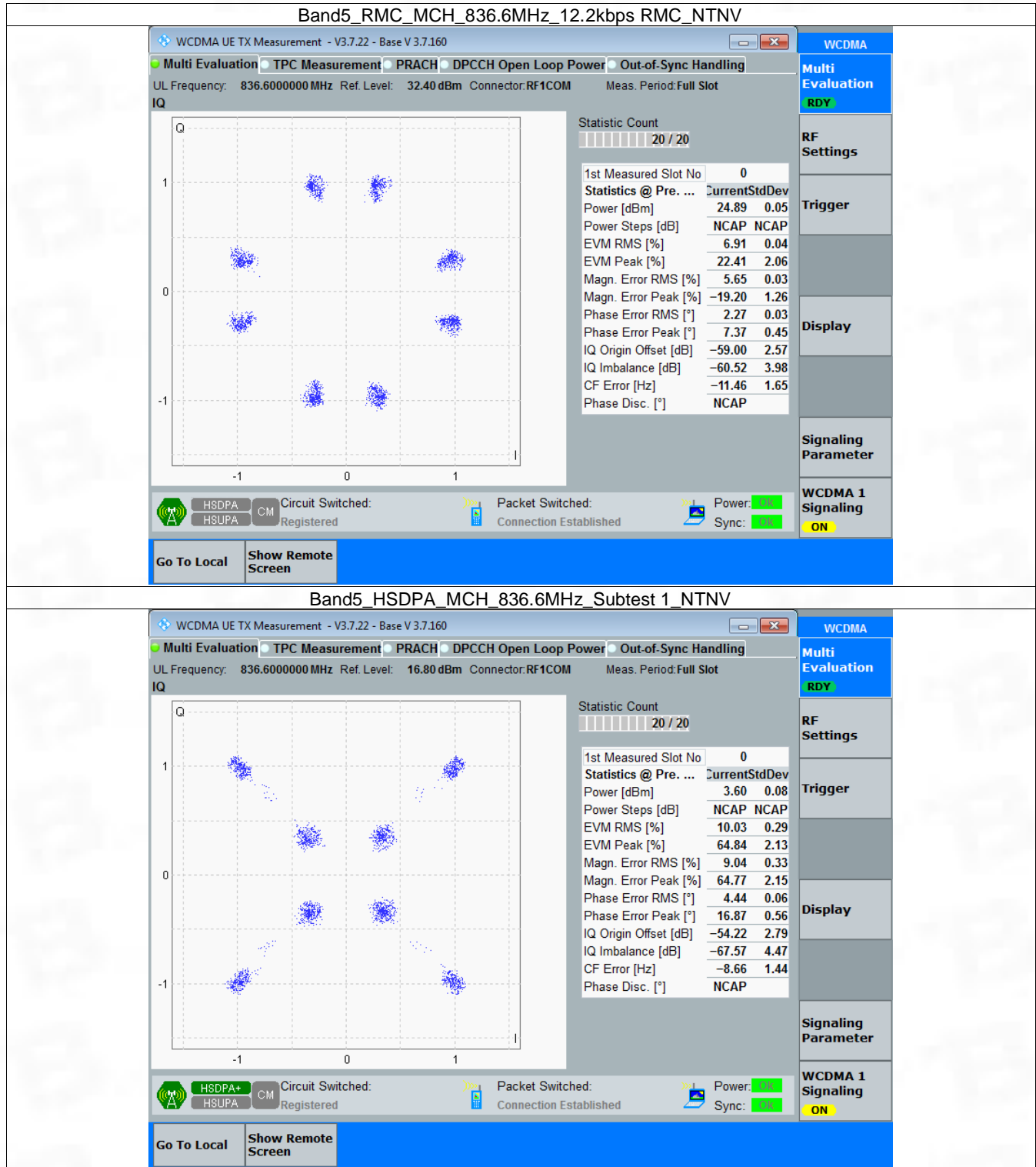
### 3. Modulation Characteristics

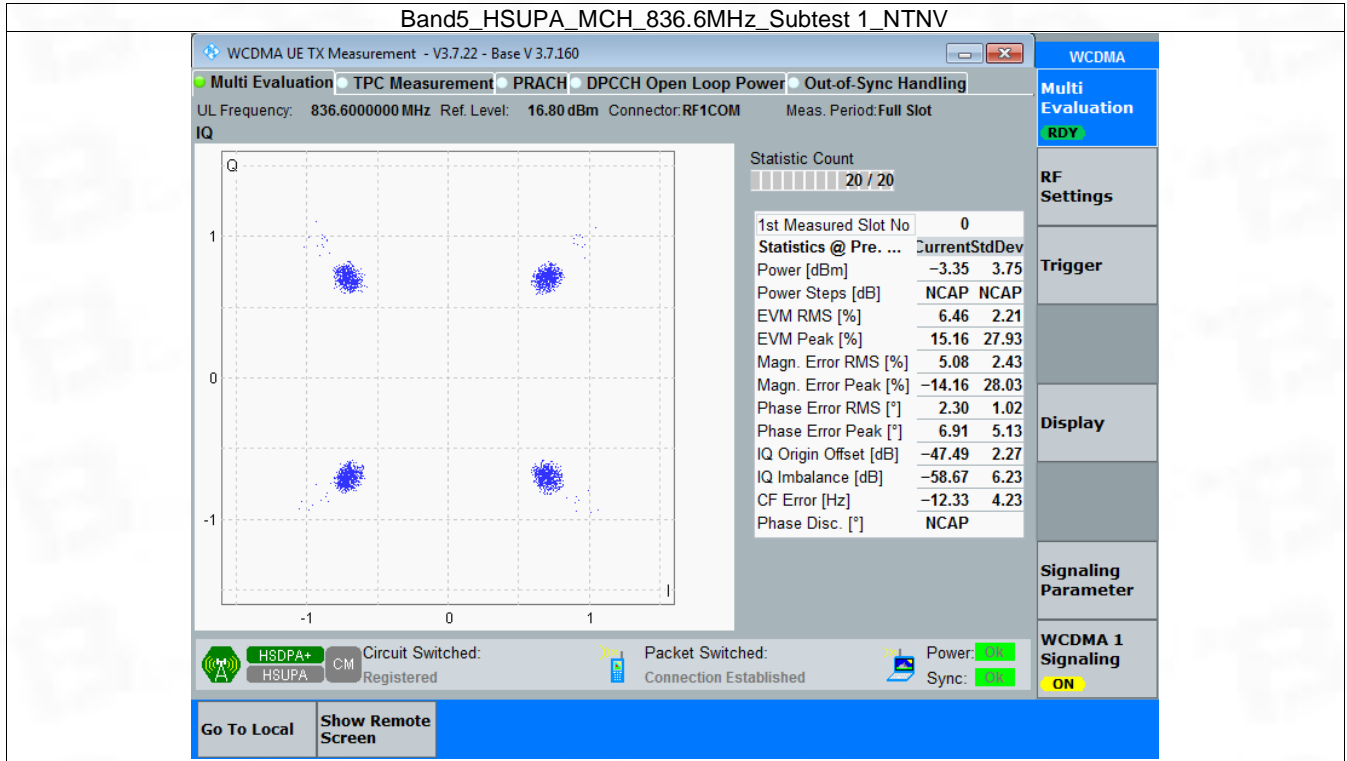
#### 3.1 Band5

##### 3.1.1 Test Result

Band: 5						
ENV	Mode		Frequency (MHz)	Modulation Characteristics		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	836.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	836.6	Refer To Test Graph		Pass
	HSUPA	Subtest 1	836.6	Refer To Test Graph		Pass

### 3.1.2 Test Graph





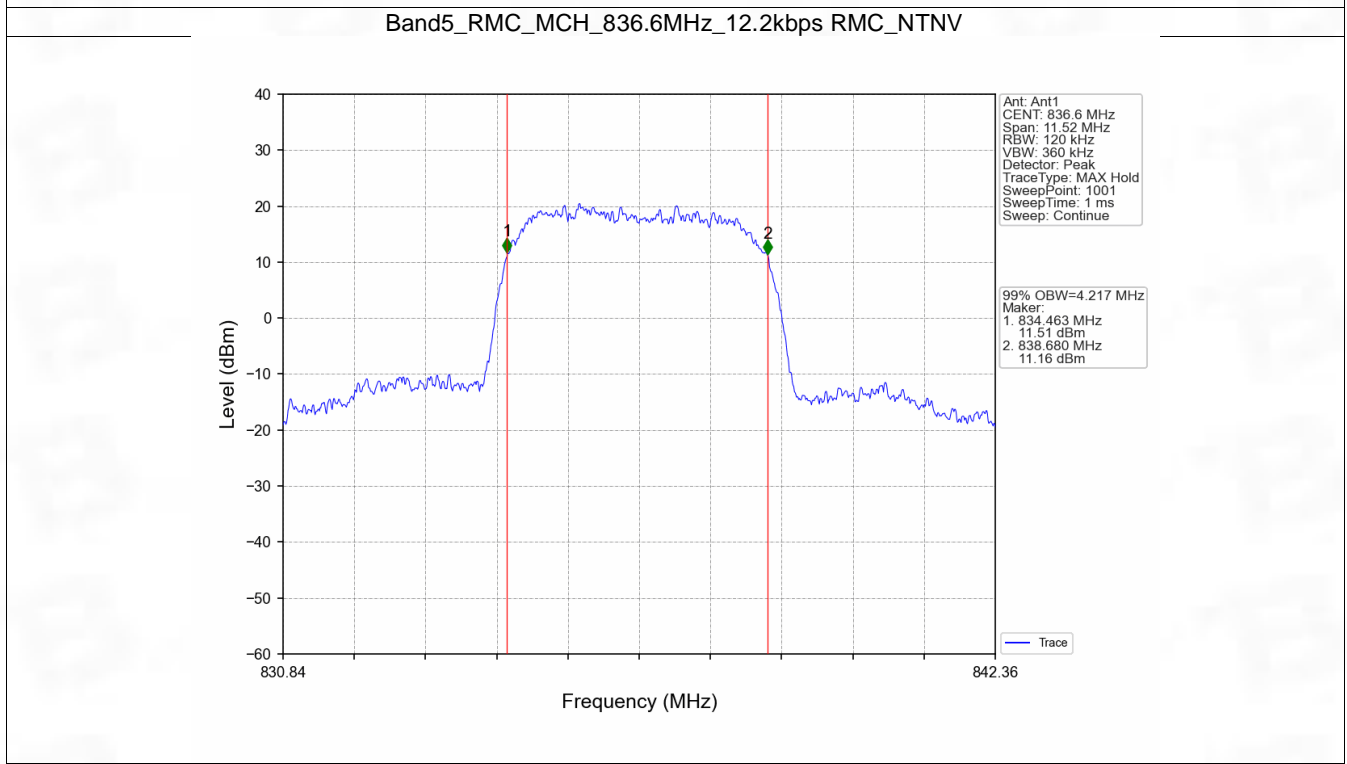
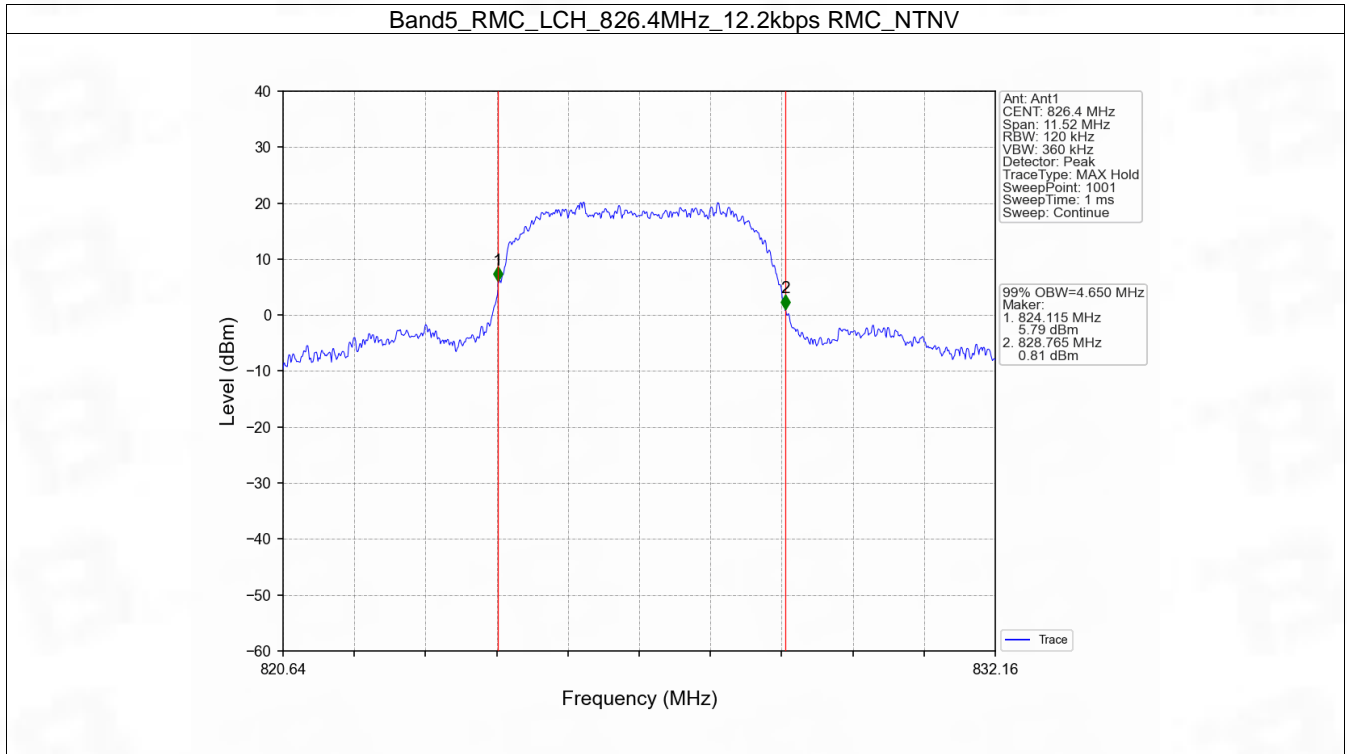
#### 4. 99% & 26dB Bandwidth

##### 4.1 Band5\_OBW

##### 4.1.1 Test Result

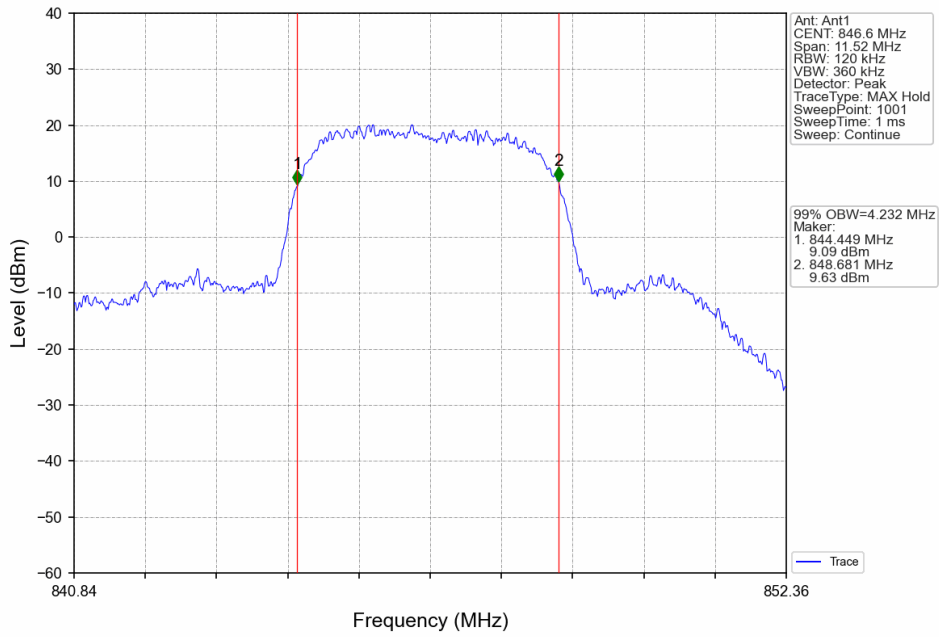
Band: 5					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	826.4	4.650	Pass
			836.6	4.217	Pass
			846.6	4.232	Pass
	HSDPA	Subtest 1	826.4	4.291	Pass
			836.6	4.191	Pass
			846.6	4.170	Pass
	HSUPA	Subtest 1	826.4	4.296	Pass
			836.6	4.194	Pass
			846.6	4.173	Pass

4.1.2 Test Graph

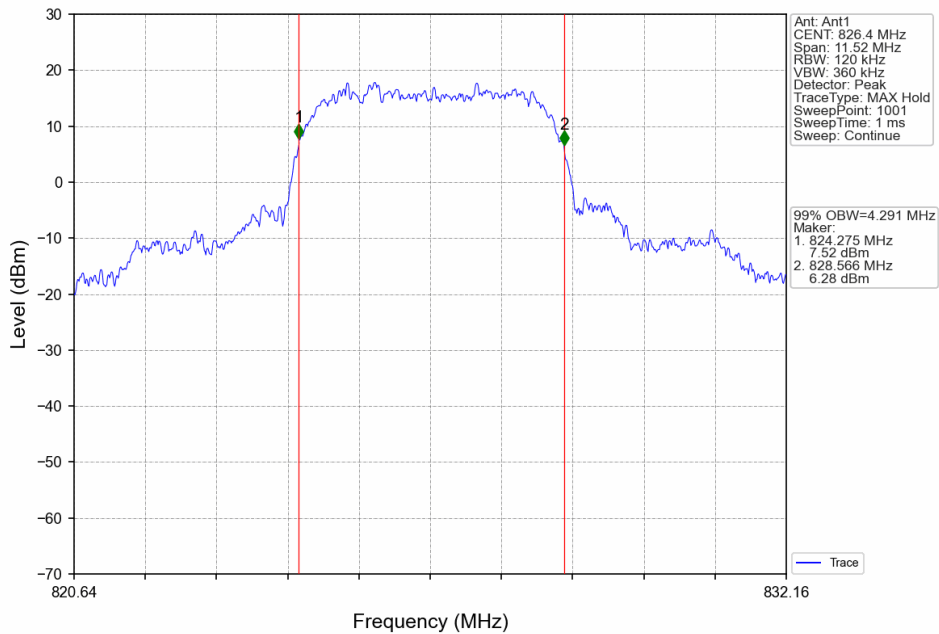


**Band5\_RMC\_HCH\_846.6MHz\_12.2kbps RMC\_NTNV**

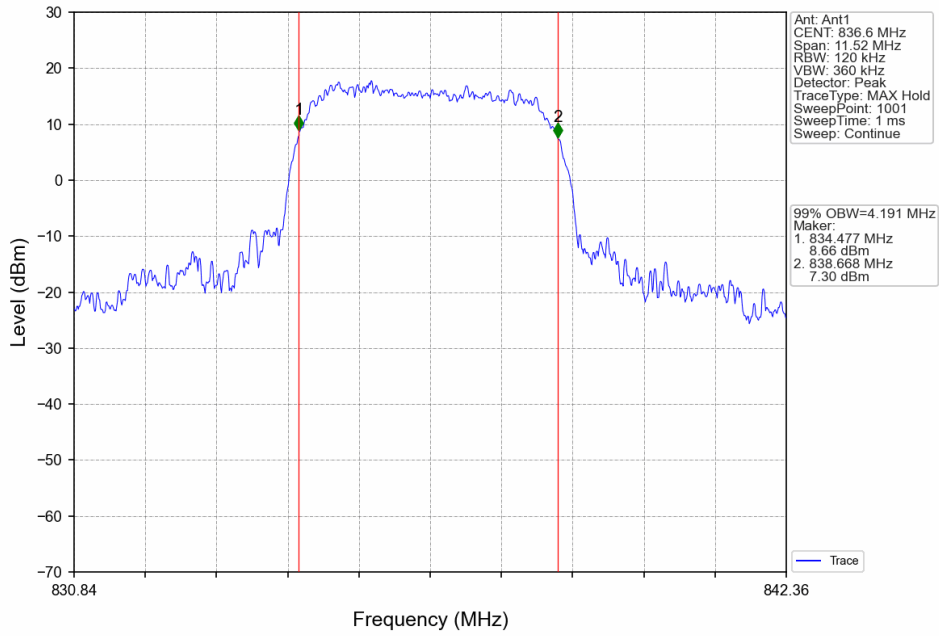




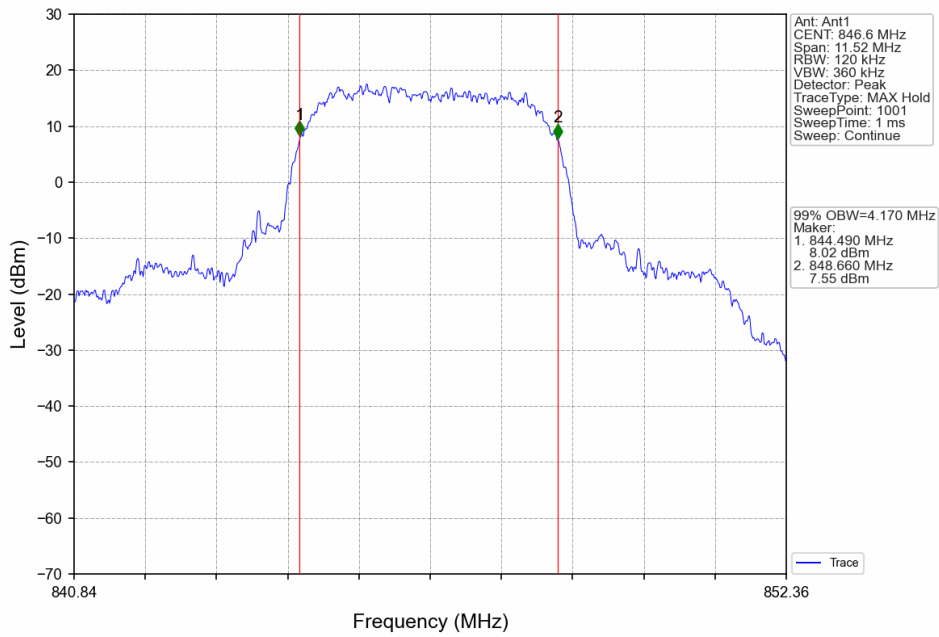
Band5\_HSDPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



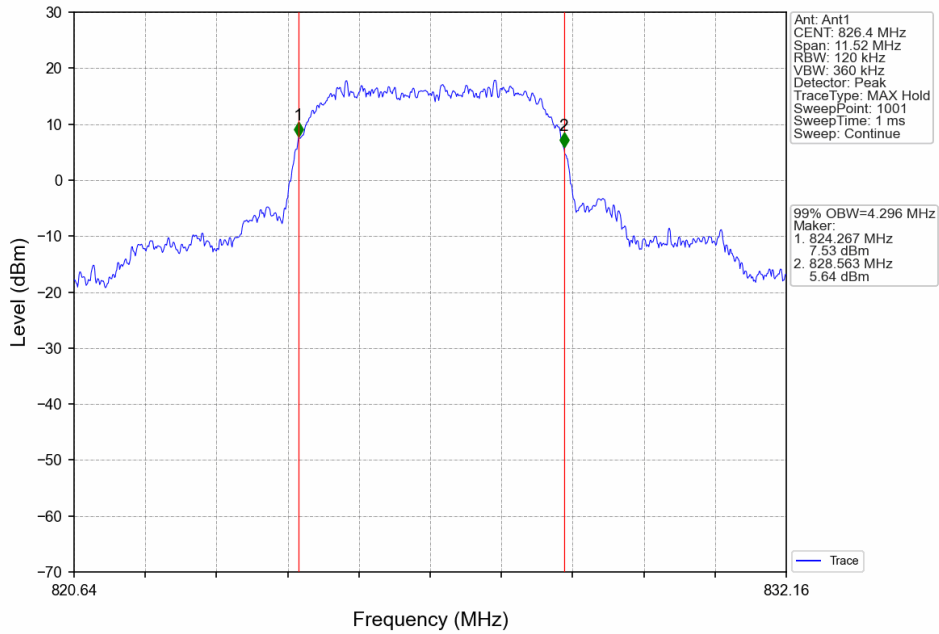
Band5\_HSDPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



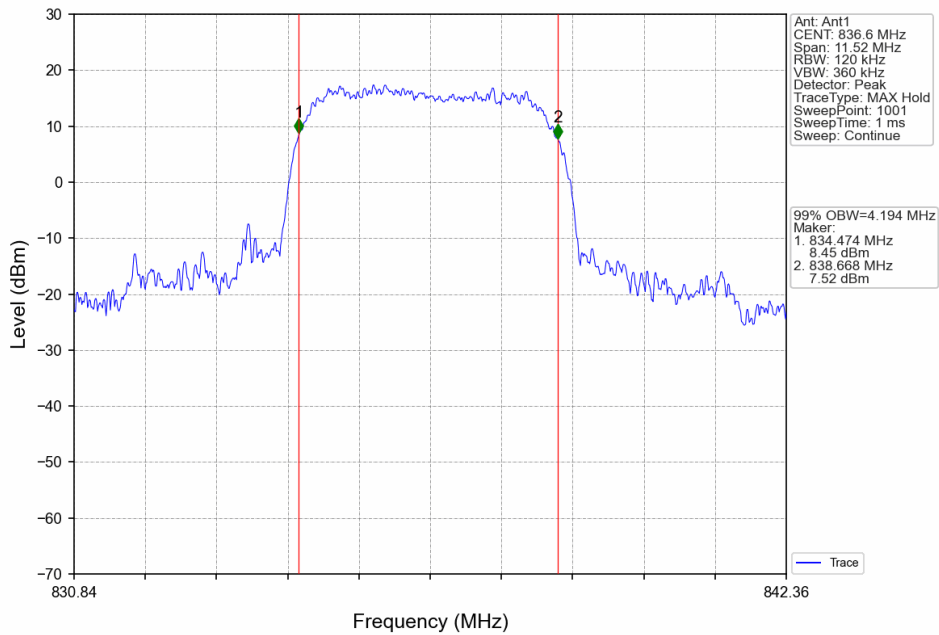
Band5\_HSDPA\_HCH\_846.6MHz\_Subtest 1\_NTNV



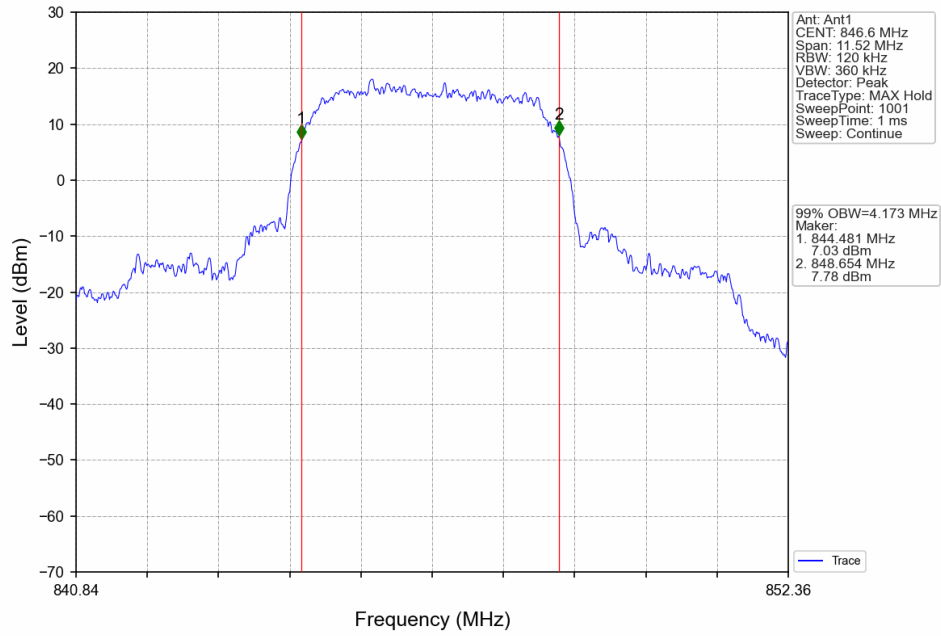
Band5\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



Band5\_HSUPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



Band5\_HSUPA\_HCH\_846.6MHz\_Subtest 1\_NTNV

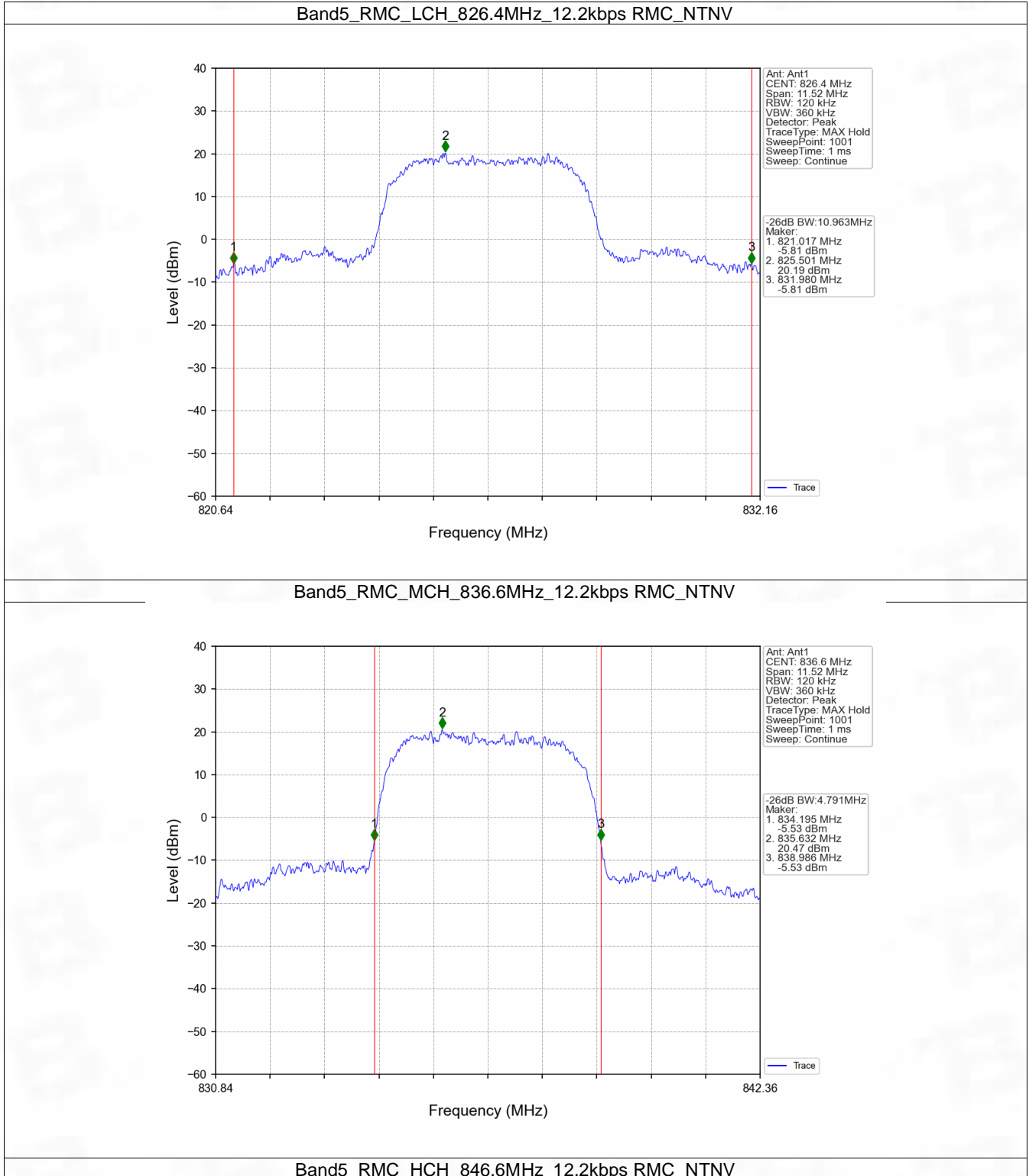


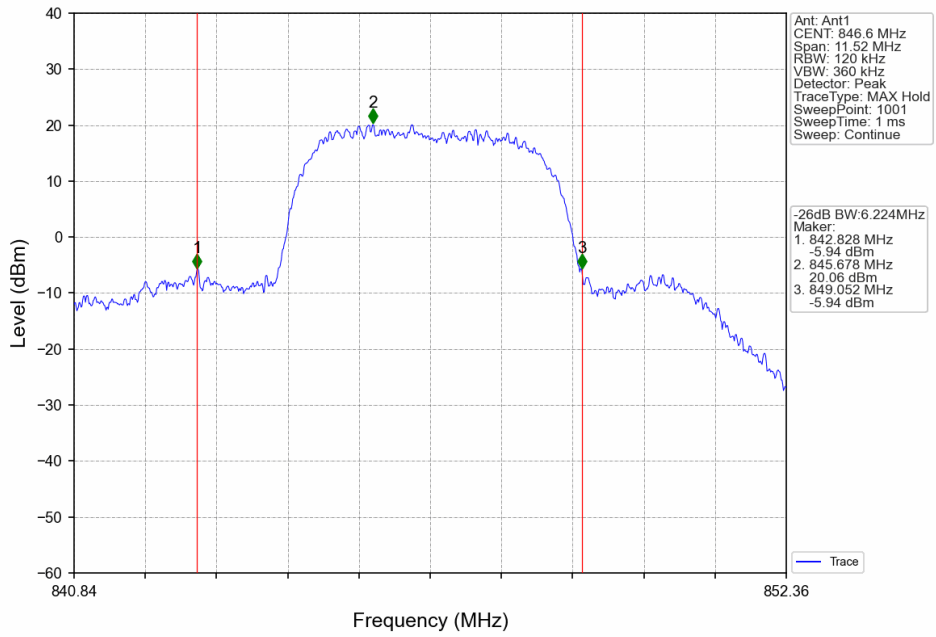
## 4.2 Band5\_XDB

### 4.2.1 Test Result

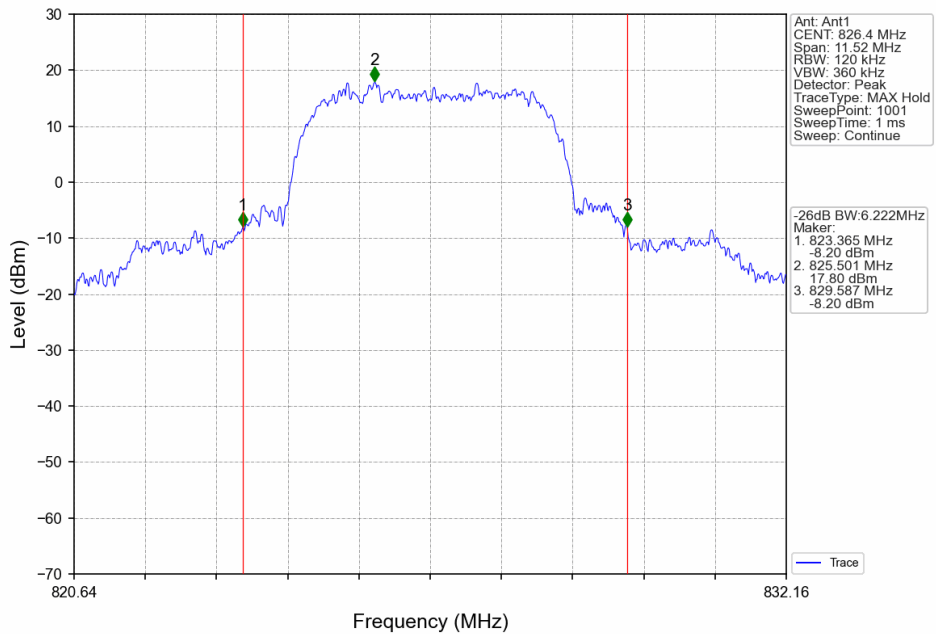
Band: 5					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	826.4	10.963	Pass
			836.6	4.791	Pass
			846.6	6.224	Pass
	HSDPA	Subtest 1	826.4	6.222	Pass
			836.6	4.738	Pass
			846.6	5.172	Pass
	HSUPA	Subtest 1	826.4	6.129	Pass
			836.6	5.322	Pass
			846.6	5.008	Pass

4.2.2 Test Graph

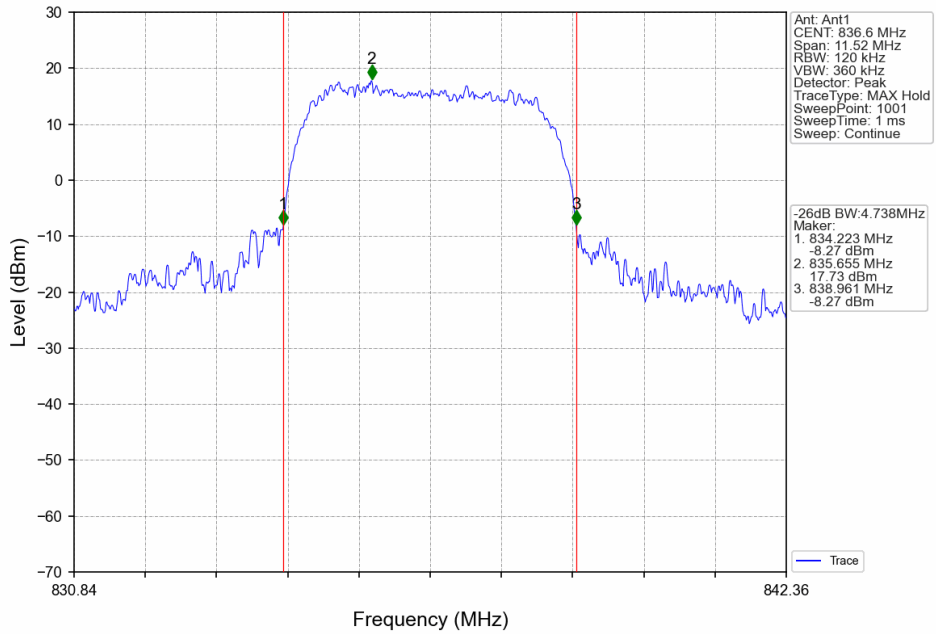




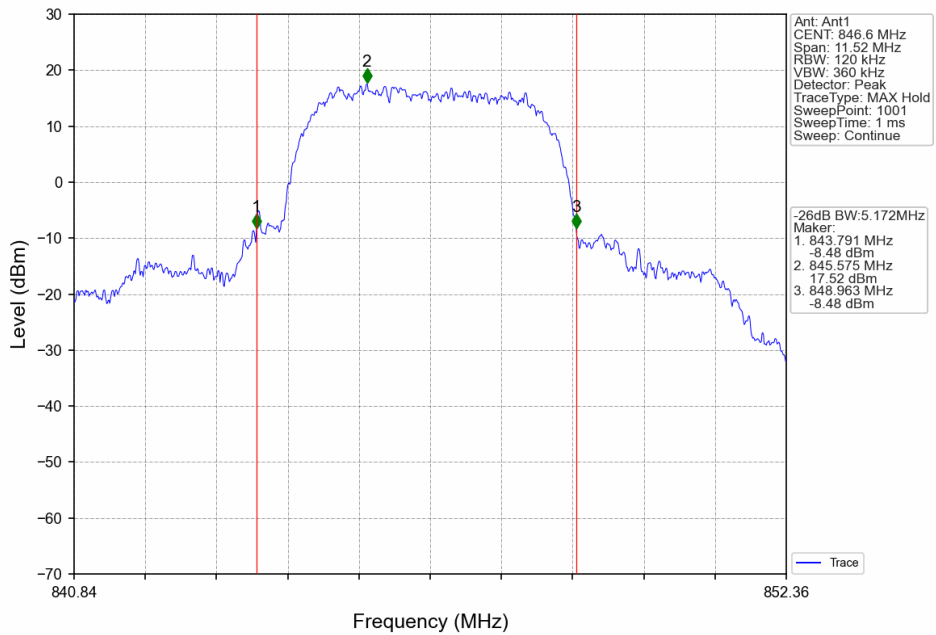
Band5\_HSDPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



Band5\_HSDPA\_MCH\_836.6MHz\_Subtest 1\_NTNV

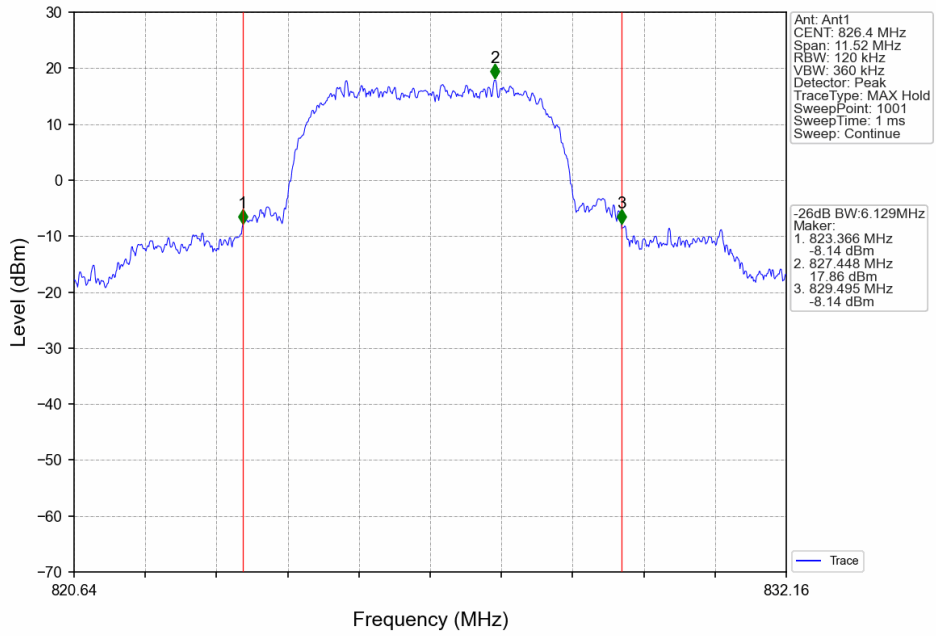


Band5\_HSDPA\_HCH\_846.6MHz\_Subtest 1\_NTNV

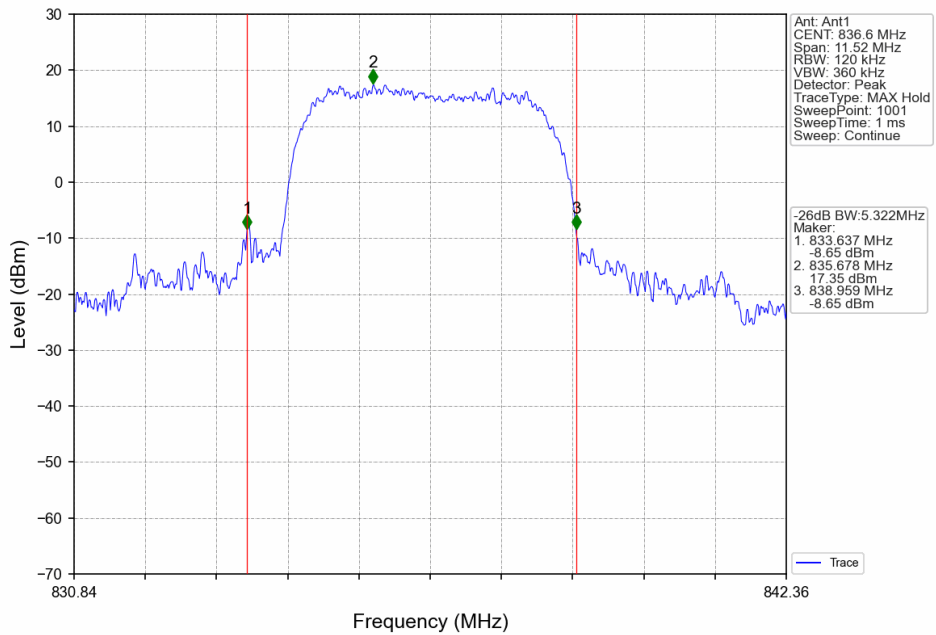




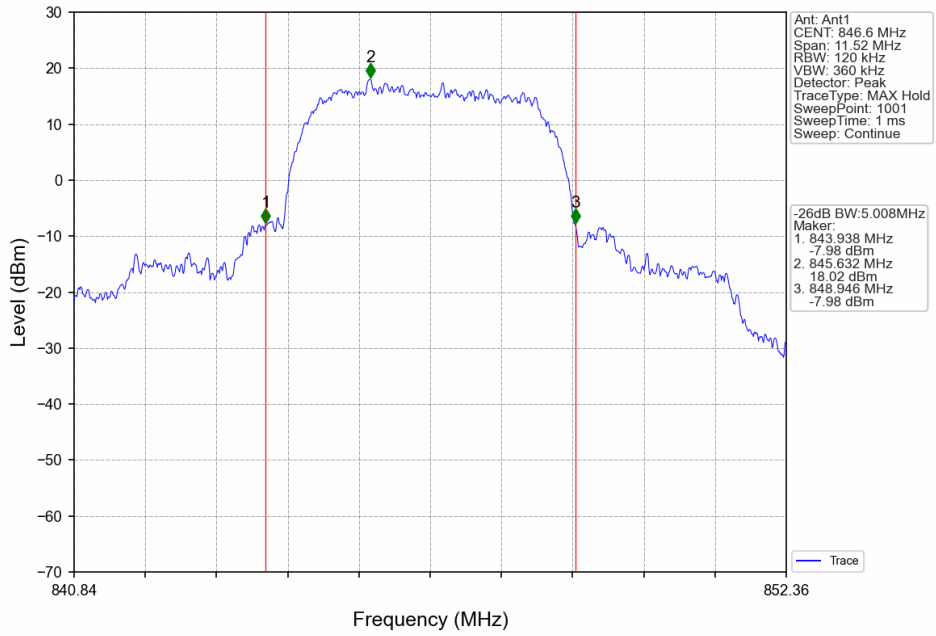
Band5\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



Band5\_HSUPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



Band5\_HSUPA\_HCH\_846.6MHz\_Subtest 1\_NTNV



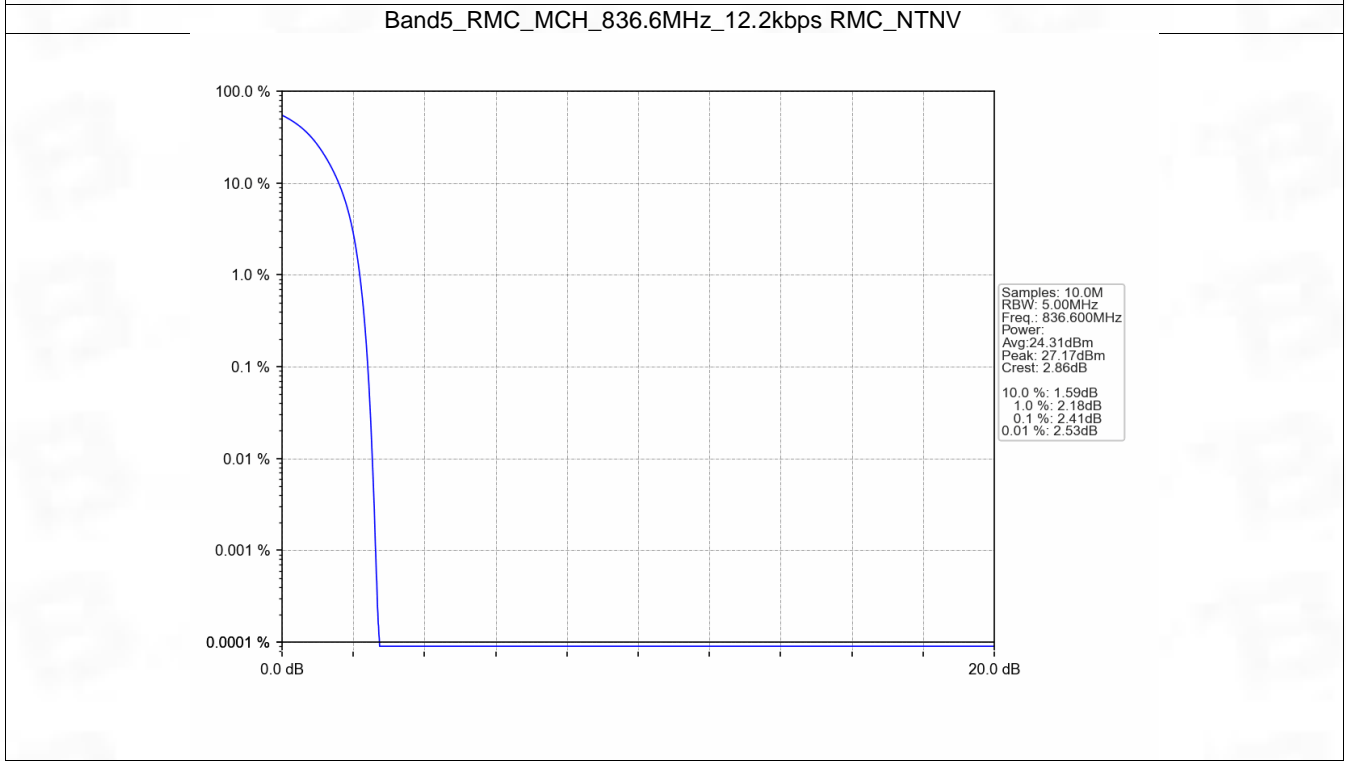
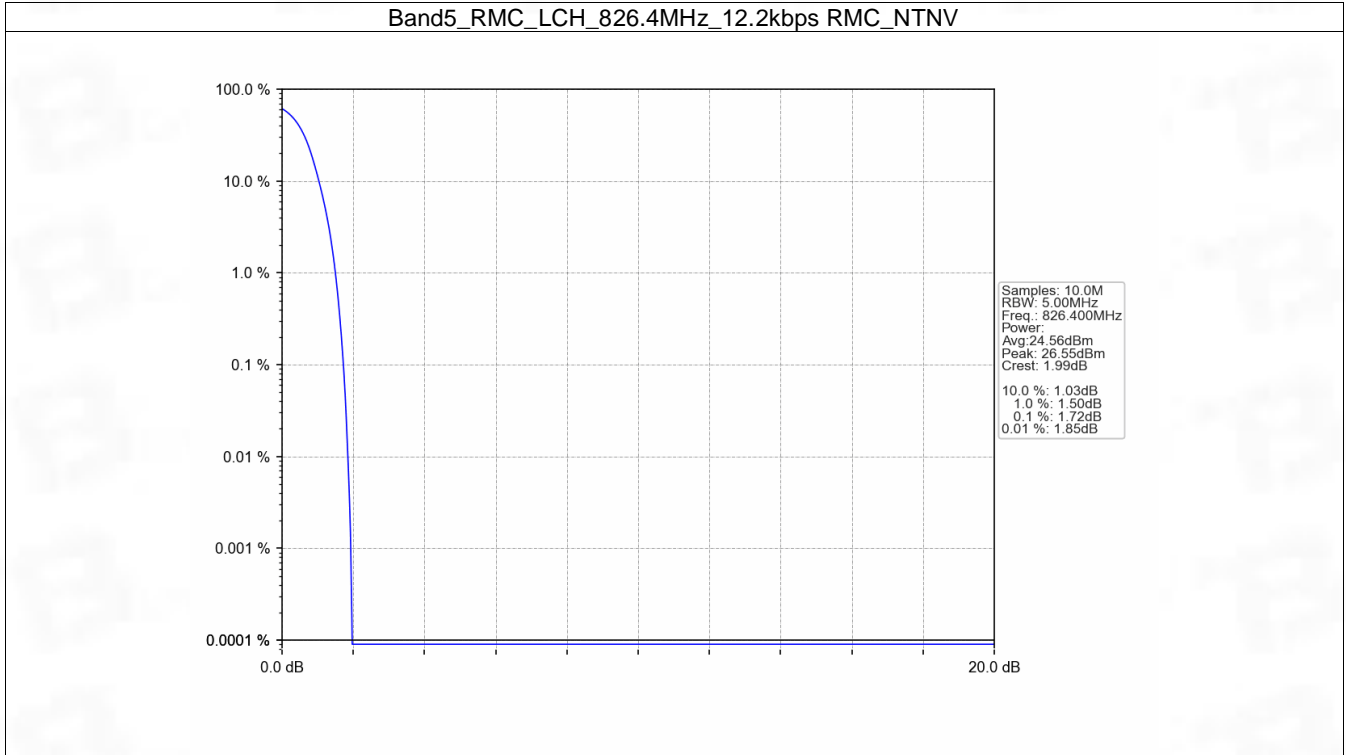
## 5. Peak-Average Ratio

### 5.1 Band5

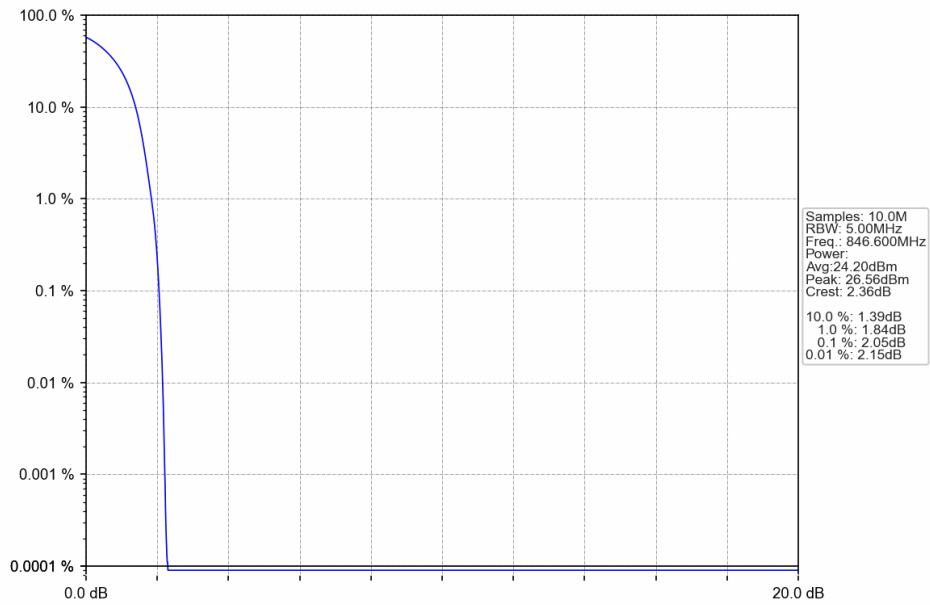
#### 5.1.1 Test Result

Band: 5						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	1.72	<=13	Pass
			836.6	2.41	<=13	Pass
			846.6	2.05	<=13	Pass
	HSDPA	Subtest 1	826.4	5.07	<=13	Pass
			836.6	5.87	<=13	Pass
			846.6	5.40	<=13	Pass
	HSUPA	Subtest 1	826.4	5.12	<=13	Pass
			836.6	5.91	<=13	Pass
			846.6	5.36	<=13	Pass

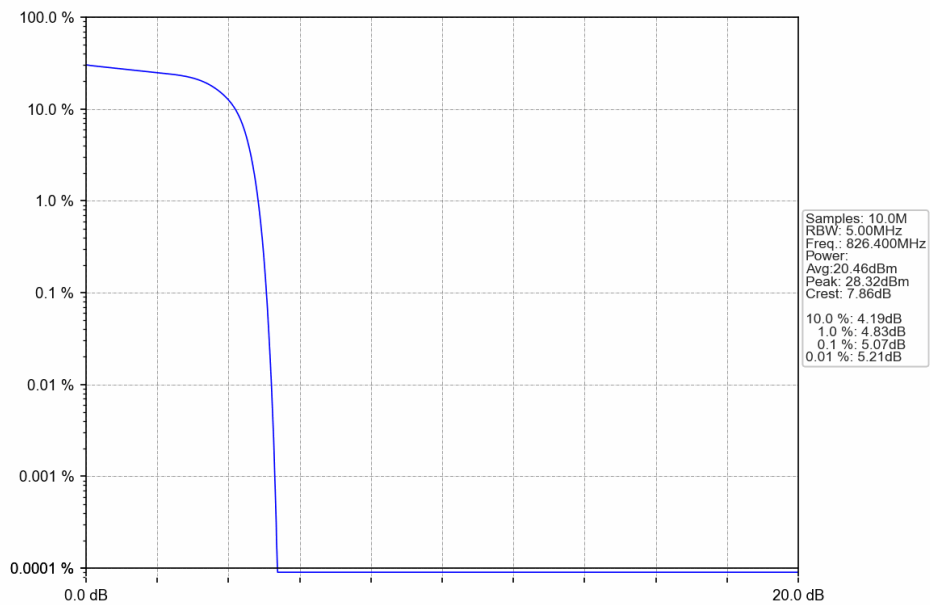
5.1.2 Test Graph



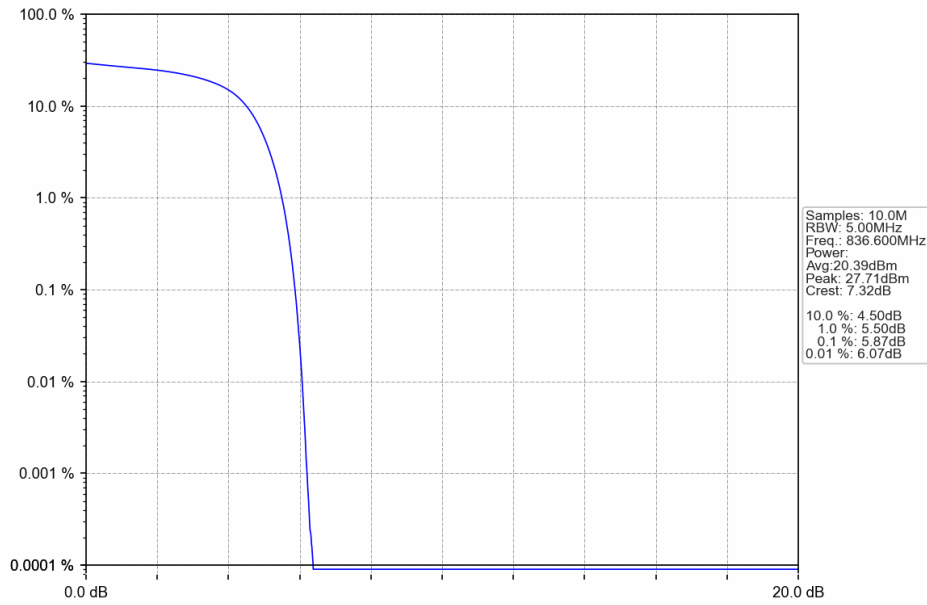
Band5\_RMC\_HCH\_846.6MHz\_12.2kbps RMC\_NTNV



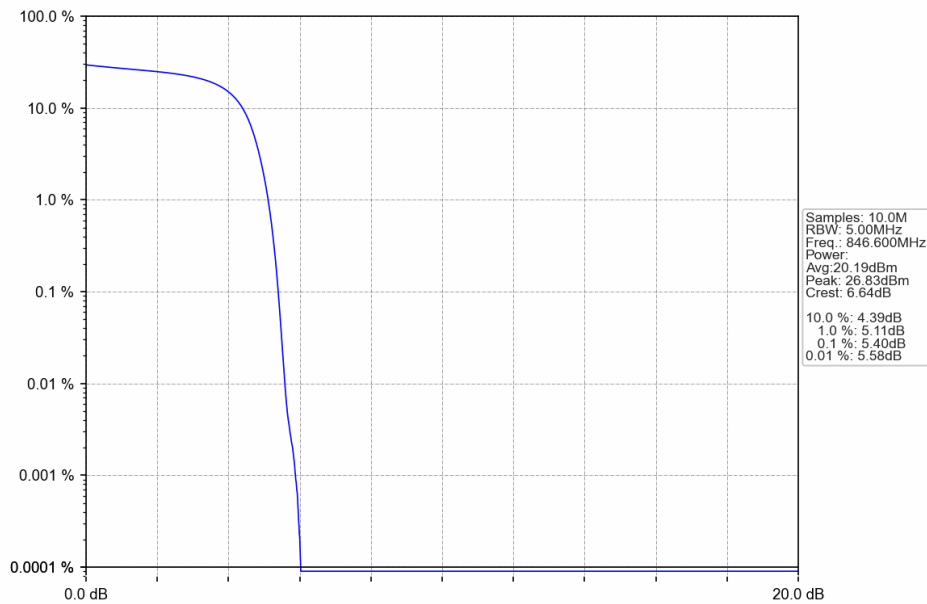
Band5\_HSDPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



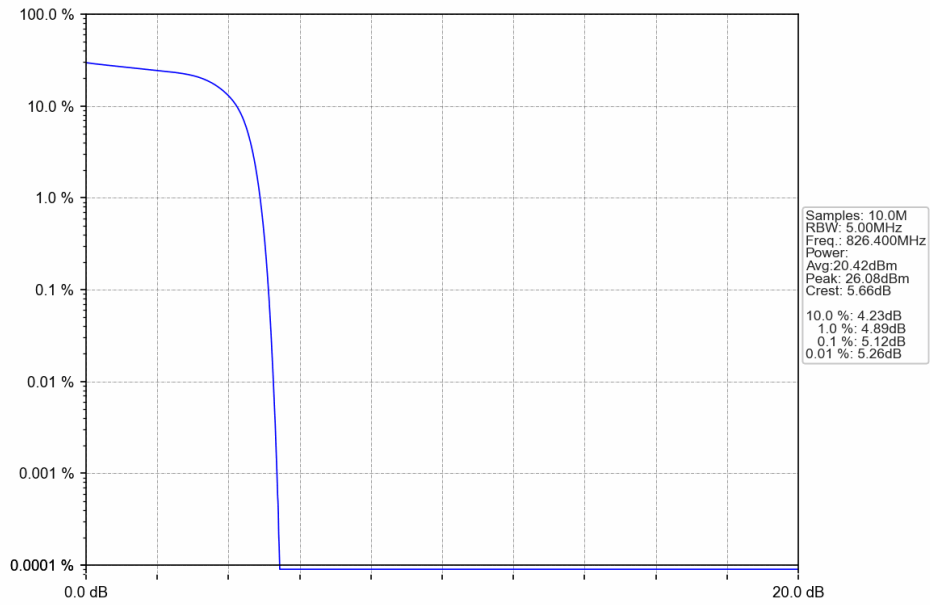
Band5\_HSDPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



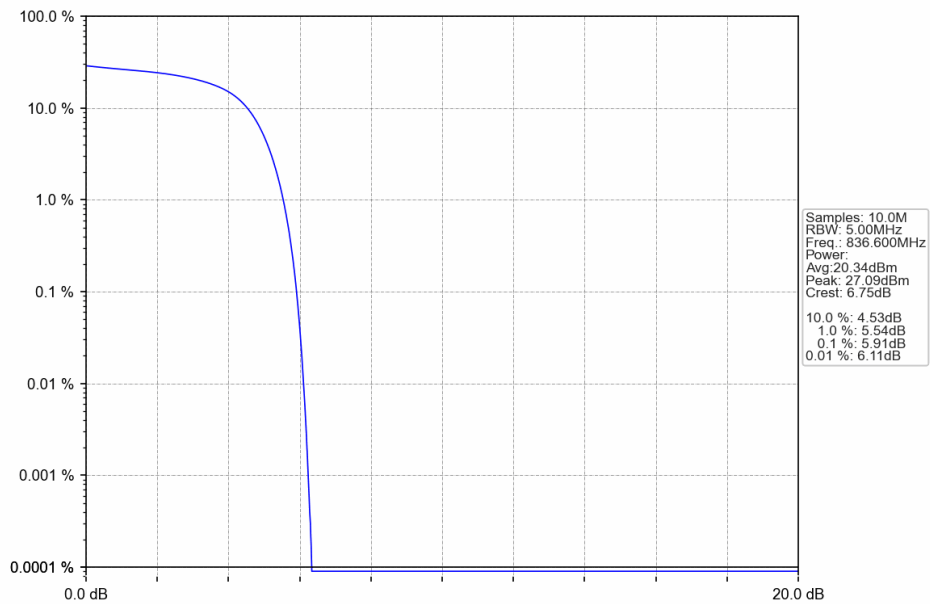
Band5\_HSDPA\_HCH\_846.6MHz\_Subtest 1\_NTNV



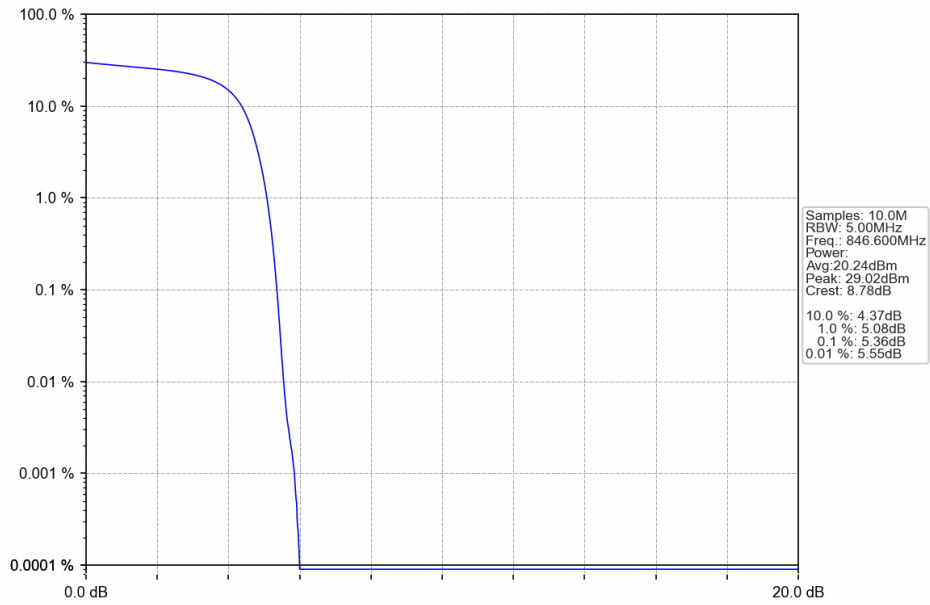
Band5\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



Band5\_HSUPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



Band5\_HSUPA\_HCH\_846.6MHz\_Subtest 1\_NTNV





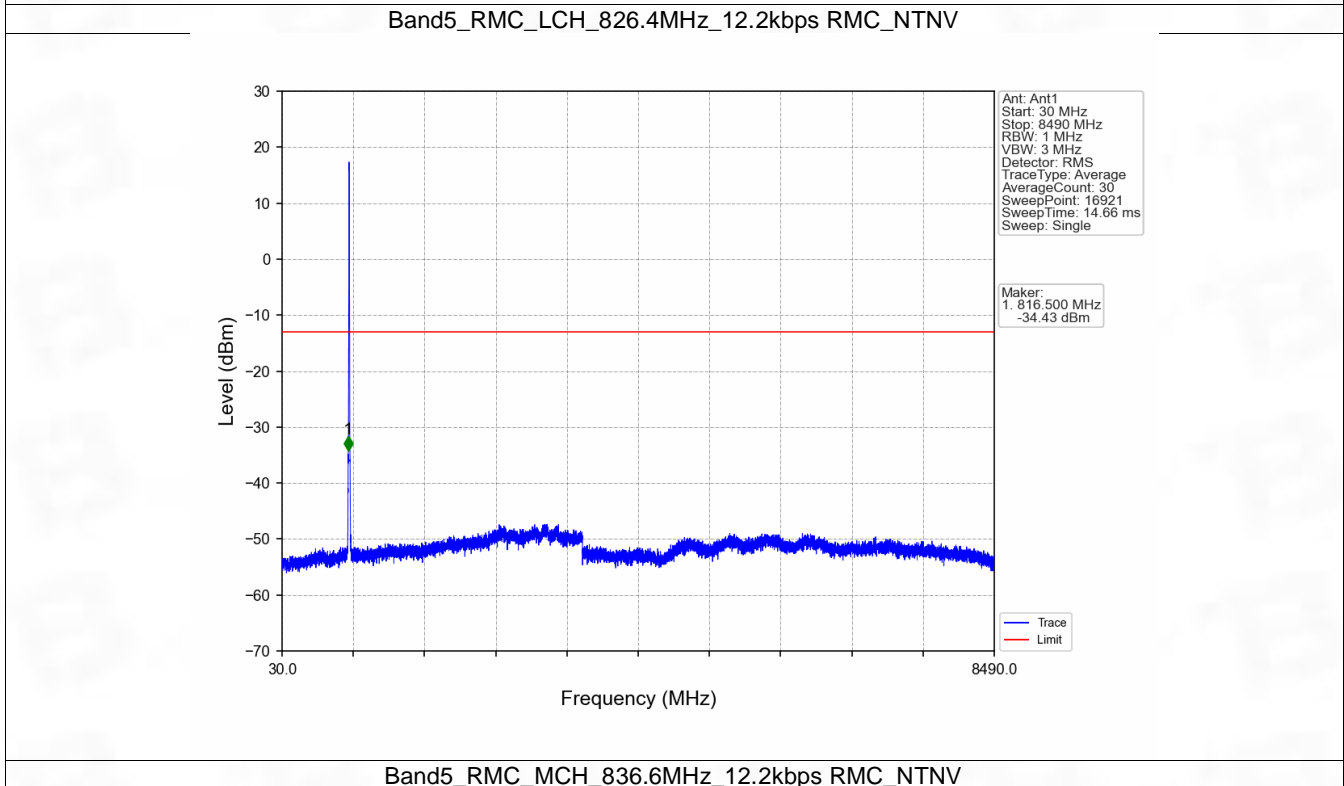
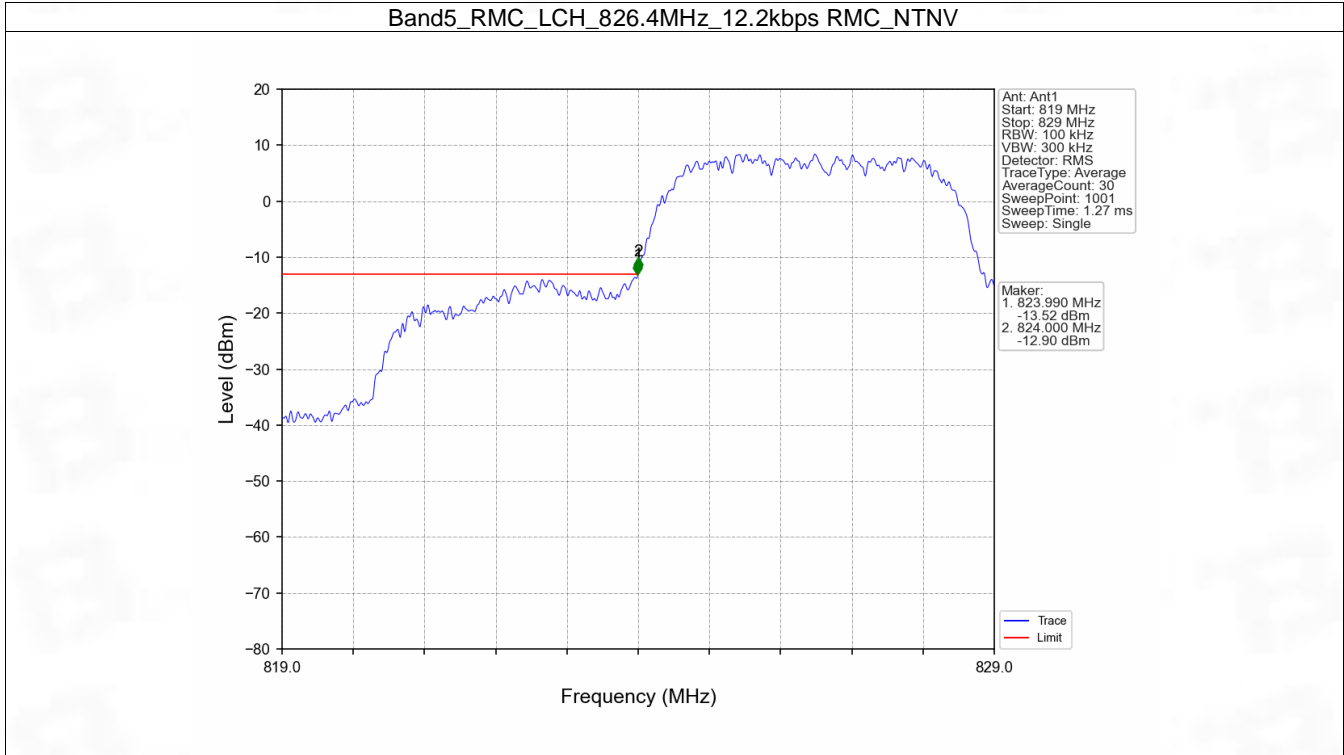
## 6. Spurious Emission

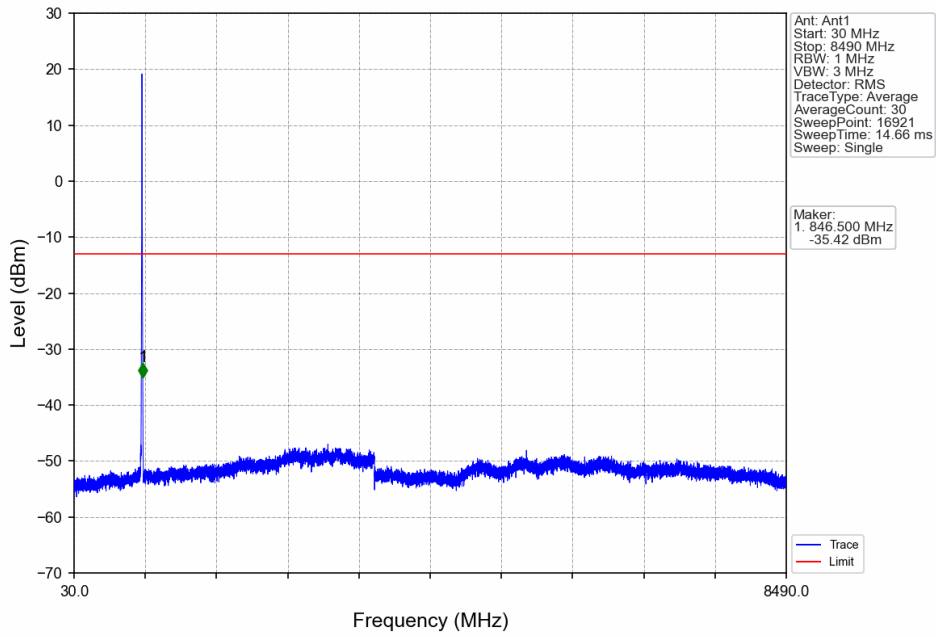
### 6.1 Band5

#### 6.1.1 Test Result

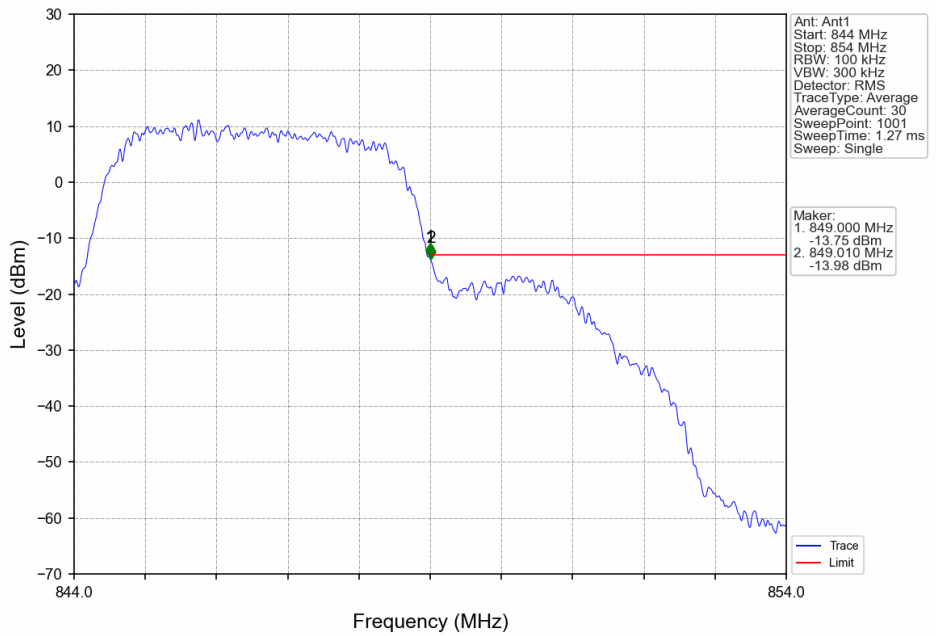
Band: 5						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			846.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			846.6	Refer To Test Graph		Pass
	HSUPA	Subtest 1	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			846.6	Refer To Test Graph		Pass

6.1.2 Test Graph

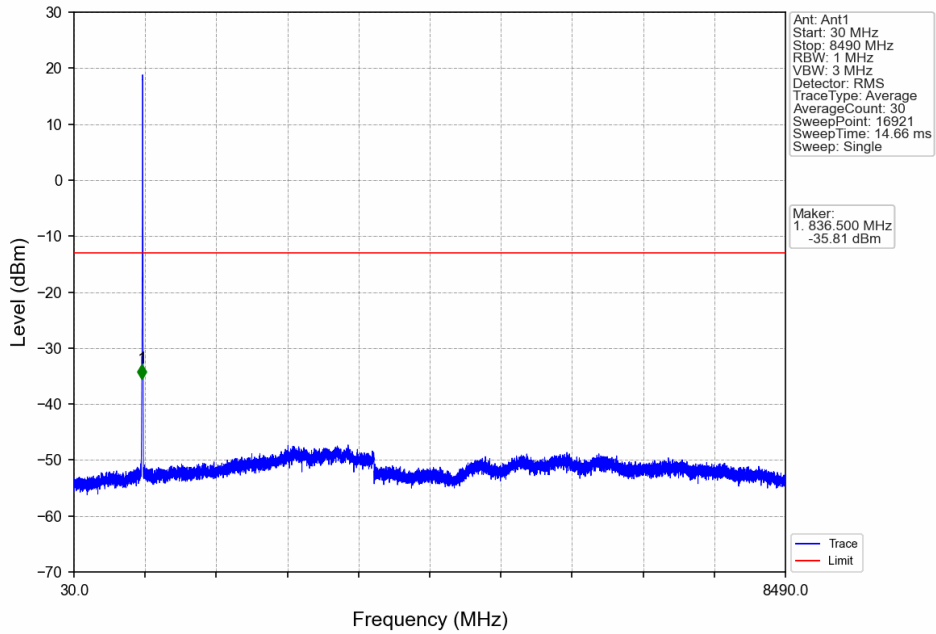




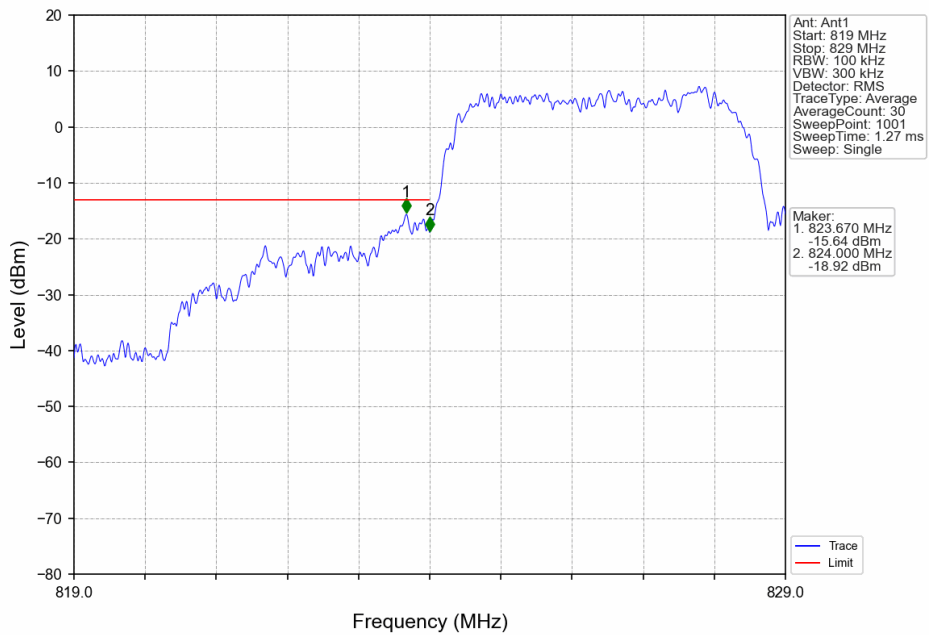
Band5\_RMC\_HCH\_846.6MHz\_12.2kbps RMC\_NTNV



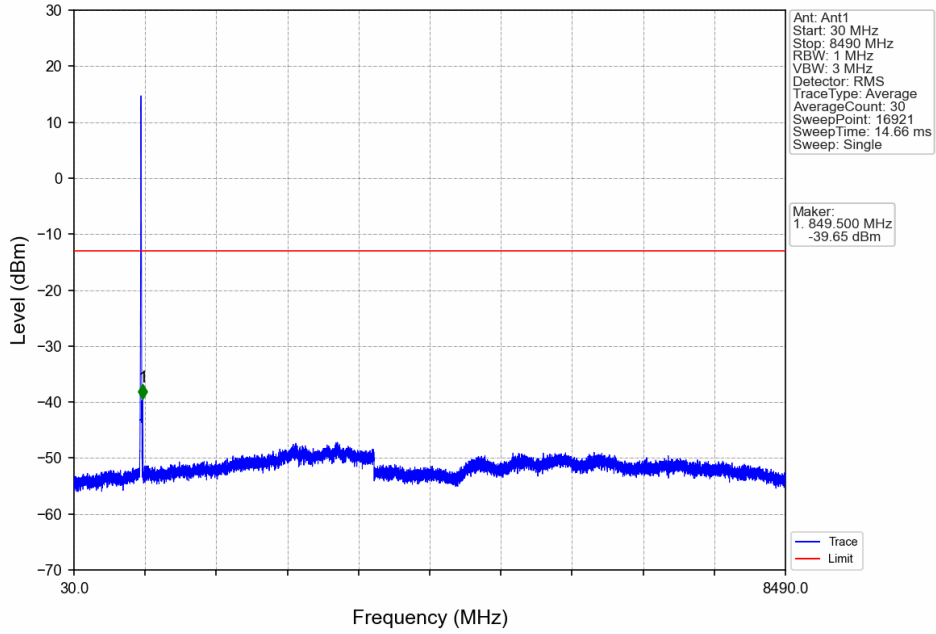
Band5\_RMC\_HCH\_846.6MHz\_12.2kbps RMC\_NTNV



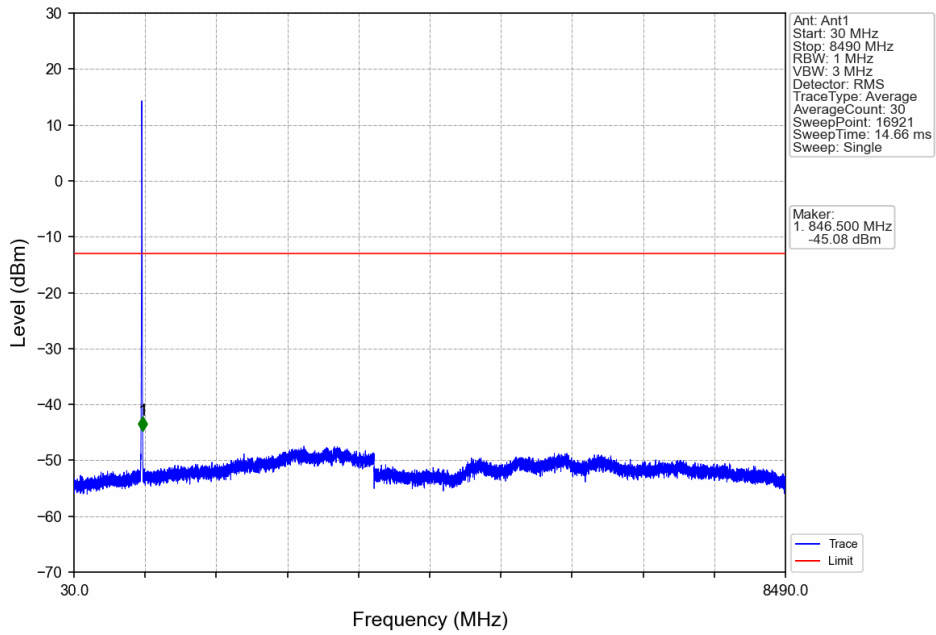
Band5\_HSDPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



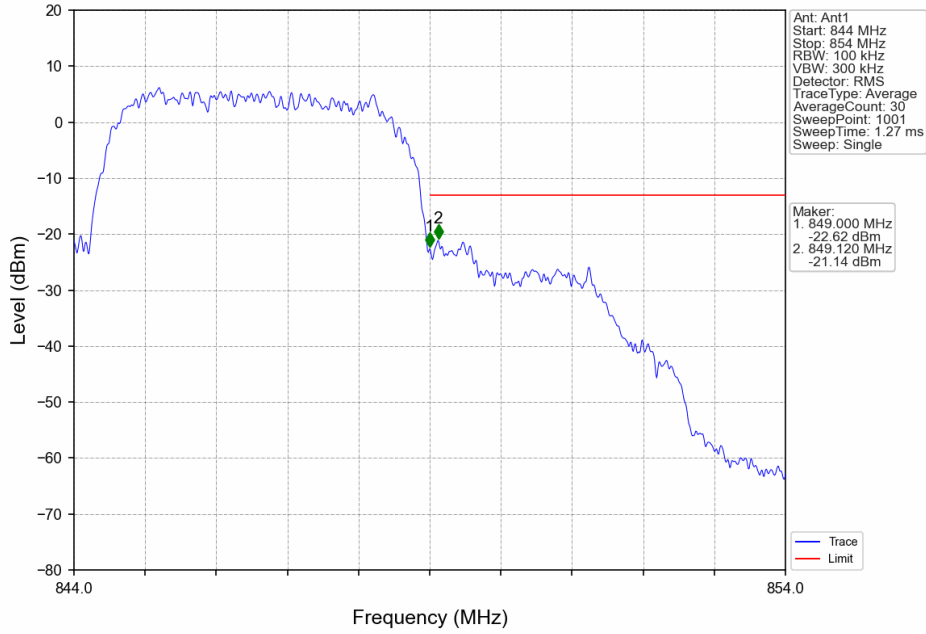
Band5\_HSDPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



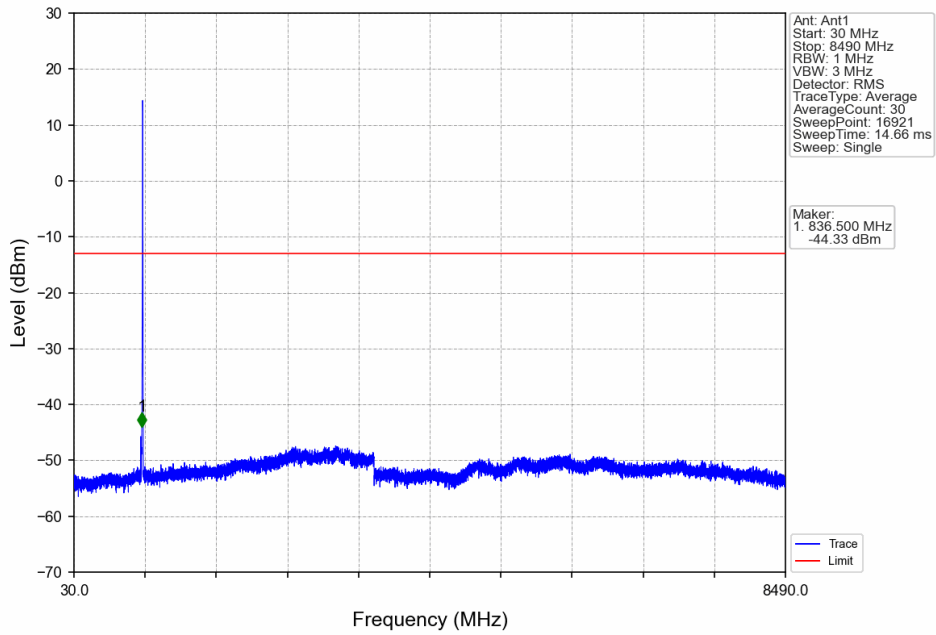
Band5\_HSDPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



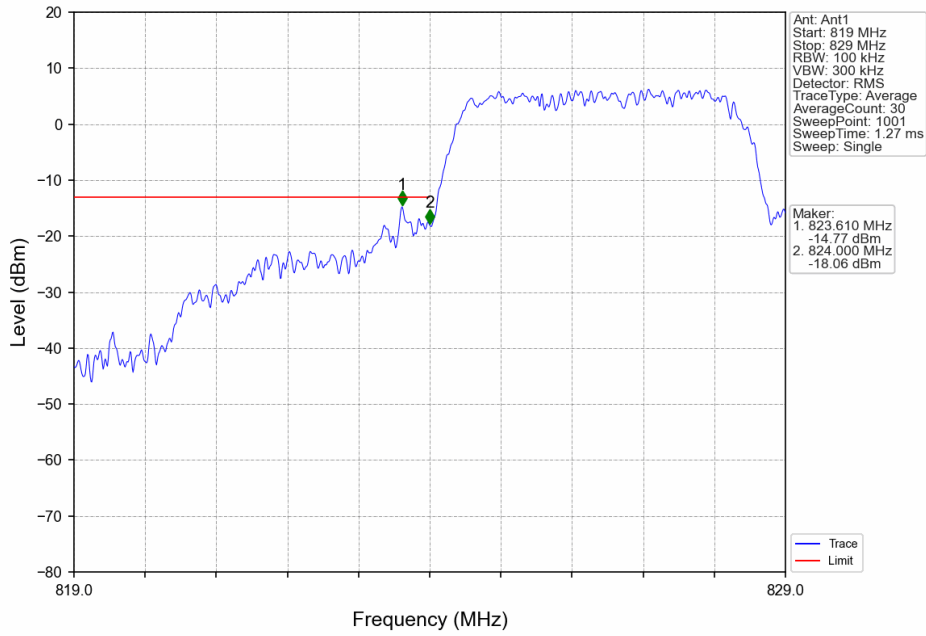
Band5\_HSDPA\_HCH\_846.6MHz\_Subtest 1\_NTNV



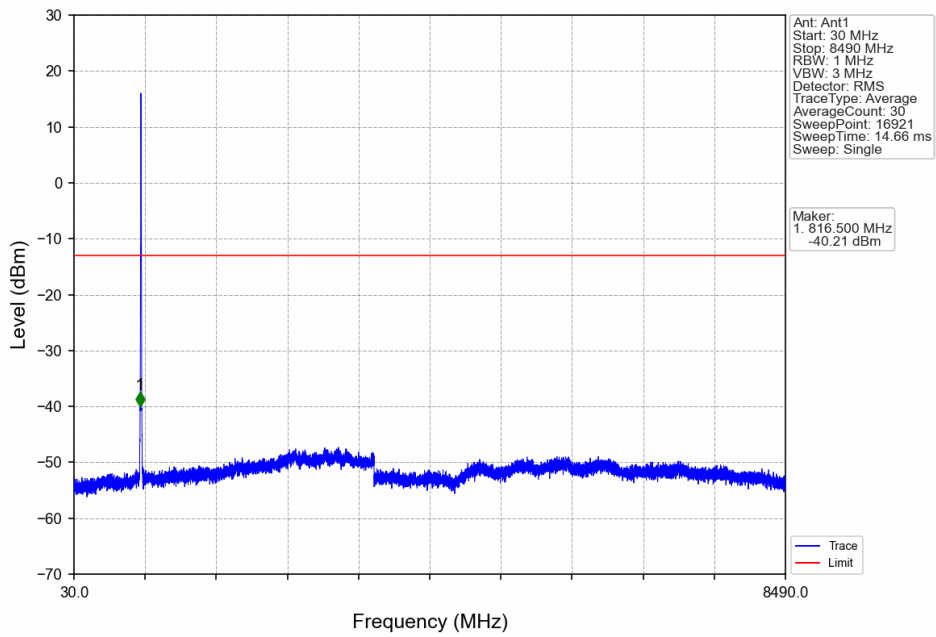
Band5\_HSDPA\_HCH\_846.6MHz\_Subtest 1\_NTNV



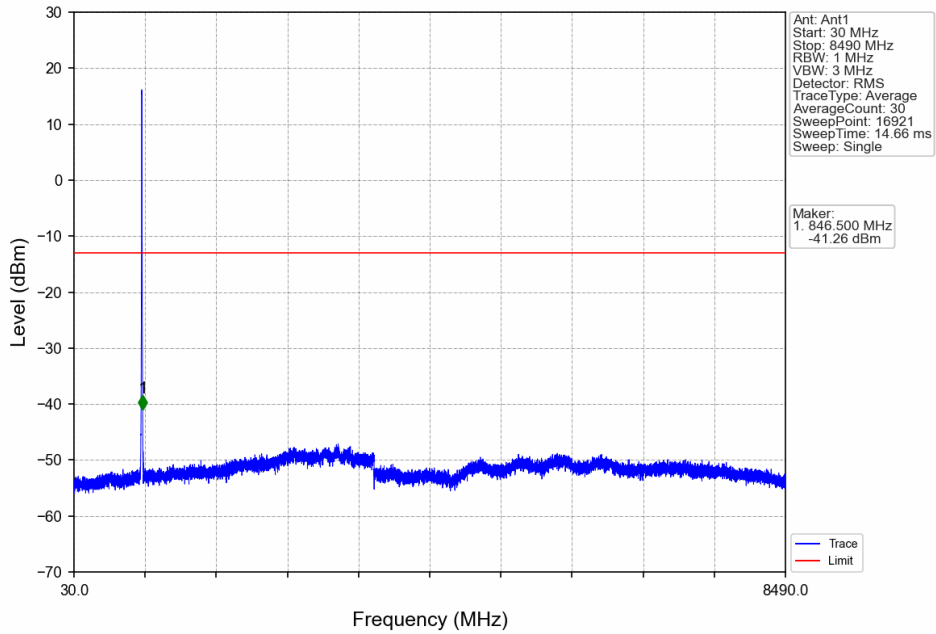
Band5\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



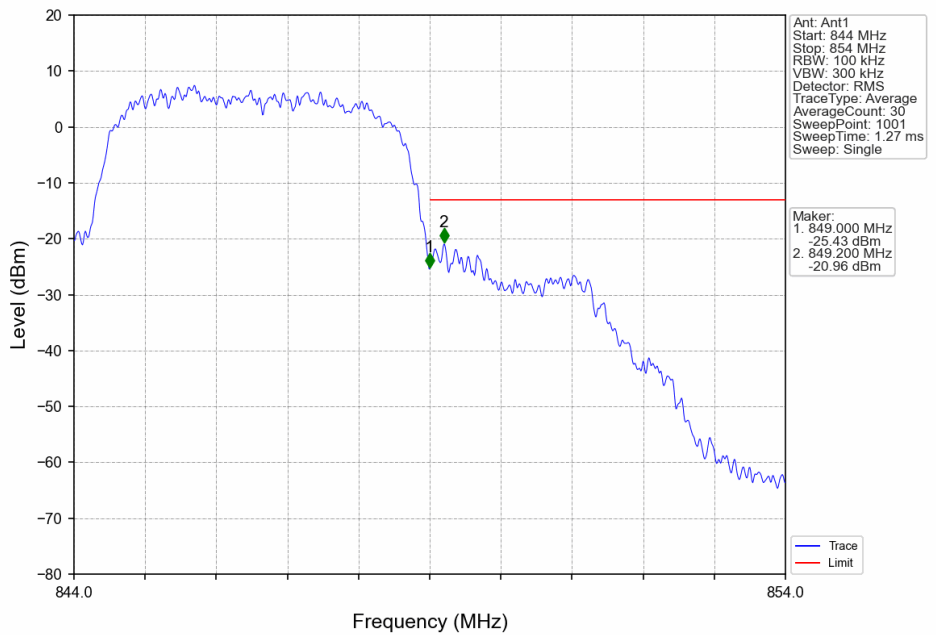
Band5\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



Band5\_HSUPA\_MCH\_836.6MHz\_Subtest 1\_NTNV

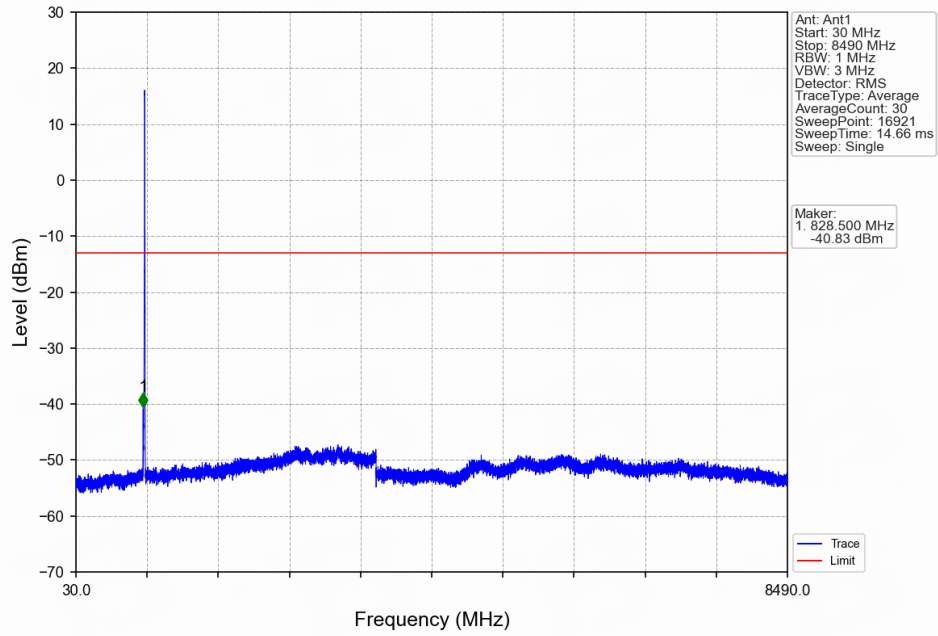


Band5\_HSUPA\_HCH\_846.6MHz\_Subtest 1\_NTNV





Band5\_HSUPA\_HCH\_846.6MHz\_Subtest 1\_NTNV





## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	3.84	826.4	846.6	0.3076	0.0201	ppm	4M65F9W	24E	24.88

### 7.2 Form731\_ERP

#### 7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	3.84	826.4	846.6	0.2143	0.0201	ppm	4M65F9W	24E	23.31